

APPENDIX

Clean version of claim 12 as amended in the Amendment filed on
November 4, 2002:

12. (Amended) A fuel injector for a fuel injection system of an internal combustion engine, comprising:

an energizable actuating element;

a valve needle that is axially movable along a longitudinal axis of a valve;

a fixed valve seat;

a valve seat element including an orifice following downstream from the fixed valve seat;

a valve closing section arranged on a downstream end of the valve needle and for working together with the fixed valve seat for opening and closing the valve, wherein:

the fixed valve seat is designed on the valve seat element;

a flattened face running perpendicular to the longitudinal axis of the valve and being arranged on the downstream end of the valve closing section downstream from the fixed valve seat; and

a swirl-producing element arranged upstream from the fixed valve seat, wherein:

the flattened face includes a diameter d that is greater than a diameter D of an outlet orifice.